3/14

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RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/961,201A**

DATE: 04/01/2003
TIME: 11:23:13

Input Set : **N:\Crf4\03182003\I961201.raw**
Output Set: **N:\CRF4\04012003\I961201A.raw**

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 1 <110> APPLICANT: Dixit, et al.
 2 <120> TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptotic
Protease-6
 3 <130> FILE REFERENCE: PF335D2
 4 <140> CURRENT APPLICATION NUMBER: US/09/961,201A
 5 <141> CURRENT FILING DATE: 2003-03-18
 6 <150> PRIOR APPLICATION NUMBER: US 09/300,328
 7 <151> PRIOR FILING DATE: 1999-04-27
 8 <150> PRIOR APPLICATION NUMBER: US 08/852,936
 9 <151> PRIOR FILING DATE: 1997-05-08
10 <150> PRIOR APPLICATION NUMBER: US 60/018,961
11 <151> PRIOR FILING DATE: 1996-06-05
12 <150> PRIOR APPLICATION NUMBER: US 60/020,344
13 <151> PRIOR FILING DATE: 1996-05-23
14 <150> PRIOR APPLICATION NUMBER: US 60/017,949
15 <151> PRIOR FILING DATE: 1996-05-20
16 <160> NUMBER OF SEQ ID NOS: 11
17 <170> SOFTWARE: PatentIn version 3.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 416
21 <212> TYPE: PRT
22 <213> ORGANISM: Homo sapiens
23 <400> SEQUENCE: 1
24     Met Asp Glu Ala Asp Arg Arg Leu Leu Arg Arg Cys Arg Leu Arg Leu
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26     Val Glu Glu Leu Gln Val Asp Gln Leu Trp Asp Val Leu Leu Ser Arg
27                 20                  25                  30
28     Glu Leu Phe Arg Pro His Met Ile Glu Asp Ile Gln Arg Ala Gly Ser
29                 35                  40                  45
30     Gly Ser Arg Arg Asp Gln Ala Arg Gln Leu Ile Ile Asp Leu Glu Thr
31             50                  55                  60
32     Arg Gly Ser Gln Ala Leu Pro Leu Phe Ile Ser Cys Leu Glu Asp Thr
33     65                  70                  75                  80
34     Gly Gln Asp Met Leu Ala Ser Phe Leu Arg Thr Asn Arg Gln Ala Gly
35                     85                  90                  95
36     Lys Leu Ser Lys Pro Thr Leu Glu Asn Leu Thr Pro Val Val Leu Arg
37                 100                 105                 110
38     Pro Glu Ile Arg Lys Pro Glu Val Leu Arg Pro Glu Thr Pro Arg Pro
39                 115                 120                 125
40     Val Asp Ile Gly Ser Gly Gly Phe Gly Asp Val Gly Ala Leu Glu Ser
41             130                 135                 140
42     Leu Arg Gly Asn Ala Asp Leu Ala Tyr Ile Leu Ser Met Glu Pro Cys
43     145                 150                 155                 160
44     Gly His Cys Leu Ile Ile Asn Asn Val Asn Phe Cys Arg Glu Ser Gly
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45                          165                 170                    175
46    Leu Arg Thr Arg Thr Gly Ser Asn Ile Asp Cys Glu Lys Leu Arg Arg
47                    180                 185                    190
48    Arg Phe Ser Ser Leu His Phe Met Val Glu Val Lys Gly Asp Leu Thr
49              195                 200                 205
50    Ala Lys Lys Met Val Leu Ala Leu Leu Glu Leu Ala Arg Gln Asp His
51        210                 215                 220
52    Gly Ala Leu Asp Cys Cys Val Val Val Ile Leu Ser His Gly Cys Gln
53    225                 230                 235                    240
54    Ala Ser His Leu Gln Phe Pro Gly Ala Val Tyr Gly Thr Asp Gly Cys
55                    245                 250                    255
56    Pro Val Ser Val Glu Lys Ile Val Asn Ile Phe Asn Gly Thr Ser Cys
57              260                 265                 270
58    Pro Ser Leu Gly Gly Lys Pro Lys Leu Phe Phe Ile Gln Ala Cys Gly
59              275                 280                 285
60    Gly Glu Gln Lys Asp His Gly Phe Glu Val Ala Ser Thr Ser Pro Glu
61        290                 295                 300
62    Asp Glu Ser Pro Gly Ser Asn Pro Glu Pro Asp Ala Thr Pro Phe Gln
63    305                 310                 315                    320
64    Glu Gly Leu Arg Thr Phe Asp Gln Leu Asp Ala Ile Ser Ser Leu Pro
65              325                 330                 335
66    Thr Pro Ser Asp Ile Phe Val Ser Tyr Ser Thr Phe Pro Gly Phe Val
67              340                 345                 350
68    Ser Trp Arg Asp Pro Lys Ser Gly Ser Trp Tyr Val Glu Thr Leu Asp
69              355                 360                 365
70    Asp Ile Phe Glu Gln Trp Ala His Ser Glu Asp Leu Gln Ser Leu Leu
71        370                 375                 380
72    Leu Arg Val Ala Asn Ala Val Ser Val Lys Gly Ile Tyr Lys Gln Met
73    385                 390                 395                    400
74    Pro Gly Cys Phe Asn Phe Leu Arg Lys Lys Leu Phe Phe Lys Thr Ser
75              405                 410                 415
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77  <210> SEQ ID NO: 2
78  <211> LENGTH: 1578
79  <212> TYPE: DNA
80  <213> ORGANISM: Homo sapiens
81  <220> FEATURE:
82  <221> NAME/KEY: misc_feature
83  <222> LOCATION: (1357)..(1357)
84  <223> OTHER INFORMATION: n = a, c, g, or t
85  <220> FEATURE:
86  <221> NAME/KEY: misc_feature
87  <222> LOCATION: (1481)..(1481)
88  <223> OTHER INFORMATION: n = a, c, g, or t
89  <400> SEQUENCE: 2
90      gccatggacg aagcggatcg gcggctcctg cggcggtgcc ggctgcggct ggtggaagag    60
91      ctgcaggtgg accagctctg ggacgtcctg ctgagccgcg agctgttcag gccccatatg   120
92      atcgaggaca tccagcgggc aggctctgga tctcggcggg atcaggccag gcagctgatc   180
93      atagatctgg agactcgagg gagtcaggct cttcctttgt tcatctcctg cttagaggac   240
94      acaggccagg acatgctggc ttcgtttctg cgaactaaca ggcaagcagg aaagttgtcg   300
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 95      aagccaaccc tagaaaacct taccccagtg gtgctcagac cagagattcg caaaccagag    360
 96      gttctcagac cggaaacacc cagaccagtg gacattggtt ctggaggatt cggtgatgtc    420
 97      ggtgctcttg agagtttgag gggaaatgca gatttggctt acatcctgag catggagccc    480
 98      tgtggccact gcctcattat caacaatgtg aacttctgcc gtgagtccgg gctccgcacc    540
 99      cgcactggct ccaacatcga ctgtgagaag ttgcggcgtc gcttctcctc gctgcatttc    600
100      atggtggagg tgaagggcga cctgactgcc aagaaaatgg tgctggcttt gctggagctg    660
101      gcgcggcagg accacggtgc tctggactgc tgcgtggtgg tcattctctc tcacggctgt    720
102      caggccagcc acctgcagtt cccaggggct gtctacggca cagatggatg ccctgtgtcg    780
103      gtcgagaaga ttgtgaacat cttcaatggg accagctgcc ccagcctggg agggaagccc    840
104      aagctctttt tcatccaggc ctgtggtggg gagcagaaag accatgggtt tgaggtggcc    900
105      tccacttccc ctgaagacga gtcccctggc agtaaccccg agccagatgc caccccgttc    960
106      caggaaggtt tgaggacctt cgaccagctg gacgccatat ctagtttgcc cacacccagt   1020
107      gacatctttg tgtcctactc tactttccca ggttttgttt cctggaggga ccccaagagt   1080
108      ggctcctggt acgttgagac cctggacgac atctttgagc agtgggctca ctctgaagac   1140
109      ctgcagtccc tcctgcttag ggtcgctaat gctgtttcgg tgaaagggat ttataaacag   1200
110      atgcctggtt gctttaattt cctccggaaa aaacttttct ttaaaacatc ataaggccag   1260
111      ggcccctcac cctgccttat cttgcacccc aaagctttcc tgccccaggc ctgaaagagg   1320
W--> 112 ctgaggcctg gactttcctg caactcaagg actttgnagc cggcacaggg tctgctcttt   1380
113      ctctgccagt gacagacagg ctcttagcag cttccagatt gacgacaagt gctgaacagt   1440
114      ggaggaagag ggacagatga atgccgtgga ttgcacgtgg nctcttgagc agtggctggt   1500
115      ccagggctag tgacttggtg tcccatgatc cctgtgttgg tctctaggag cagggattaa   1560
116      cctctgcact actgacat                                                  1578
118 <210> SEQ ID NO: 3
119 <211> LENGTH: 639
120 <212> TYPE: DNA
121 <213> ORGANISM: Homo sapiens
122 <400> SEQUENCE: 3
123      ctgactgcca agaaaatggt gctggctttg ctggagctgg cgcggcagga ccacggtgct     60
124      ctggactgct gcgtggtggt cattctctct cacggctgtc aggccagcca cctgcagttc    120
125      ccagggctg tctacggcac agatggatgc cctgtgtcgg tcgaaagat tgtgaacatc    180
126      ttcaatggga ccagctgccc cagcctggga gggaagccca agctcttttt catccaggcc    240
127      tgtggtgggg agcagaaaga ccatgggttt gaggtggcct ccacttcccc tgaagacgag    300
128      tcccctggca gtaaccccga gccagatgcc accccgttcc aggaaggttt gaggaccttc    360
129      gaccagctgg acgccatatc tagtttgccc acacccagtg acatctttgt gtcctactct    420
130      actttcccag gttttgtttc ctggagggac cccaagagtg gctcctggta cgttgagacc    480
131      ctggacgaca tctttgagca gtgggctcac tctgaagacc tgcagtccct cctgcttagg    540
132      gtcgctaatg ctgtttcggt gaaagggatt tataaacaga tgcctggttg ctttaatttc    600
133      ctccggaaaa aacttttctt ttaaaacatc ataaggcag                           639
135 <210> SEQ ID NO: 4
136 <211> LENGTH: 203
137 <212> TYPE: PRT
138 <213> ORGANISM: Homo sapiens
139 <400> SEQUENCE: 4
140      Met Val Leu Ala Leu Leu Glu Leu Ala Arg Gln Asp His Gly Ala Leu
141      1               5                   10                  15
142      Asp Cys Cys Val Val Val Ile Leu Ser His Gly Cys Gln Ala Ser His
143                      20                  25                  30
144      Leu Gln Phe Pro Gly Ala Val Tyr Gly Thr Asp Gly Cys Pro Val Ser
145                      35                  40                  45
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```
146        Val Glu Lys Ile Val Asn Ile Phe Asn Gly Thr Ser Cys Pro Ser Leu
147            50                  55                  60
148        Gly Gly Lys Pro Lys Leu Phe Phe Ile Gln Ala Cys Gly Gly Glu Gln
149        65                  70                  75                  80
150        Lys Asp His Gly Phe Glu Val Ala Ser Thr Ser Pro Glu Asp Glu Ser
151                        85                  90                  95
152        Pro Gly Ser Asn Pro Glu Pro Asp Ala Thr Pro Phe Gln Glu Gly Leu
153                    100                 105                 110
154        Arg Thr Phe Asp Gln Leu Asp Ala Ile Ser Ser Leu Pro Thr Pro Ser
155                    115                 120                 125
156        Asp Ile Phe Val Ser Tyr Ser Thr Phe Pro Gly Phe Val Ser Trp Arg
157            130                 135                 140
158        Asp Pro Lys Ser Gly Ser Trp Tyr Val Glu Thr Leu Asp Asp Ile Phe
159        145                 150                 155                 160
160        Glu Gln Trp Ala His Ser Glu Asp Leu Gln Ser Leu Leu Leu Arg Val
161                        165                 170                 175
162        Ala Asn Ala Val Ser Val Lys Gly Ile Tyr Lys Gln Met Pro Gly Cys
163                    180                 185                 190
164        Phe Asn Phe Leu Arg Lys Lys Leu Phe Phe Met
165                    195                 200
167 <210> SEQ ID NO: 5
168 <211> LENGTH: 34
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial
171 <220> FEATURE:
172 <223> OTHER INFORMATION: 5' PCR primer
173 <400> SEQUENCE: 5
174     gaacggggta ccgccatgga cgaagcggat cggc                          34
176 <210> SEQ ID NO: 6
177 <211> LENGTH: 60
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial
180 <220> FEATURE:
181 <223> OTHER INFORMATION: 3' PCR primer
182 <400> SEQUENCE: 6
183     tgctctagat tagtggtggt ggtggtggtg tgatgtttta aagaaaagtt ttttccggag    60
185 <210> SEQ ID NO: 7
186 <211> LENGTH: 41
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial
189 <220> FEATURE:
190 <223> OTHER INFORMATION: PCR primer
191 <400> SEQUENCE: 7
192     aagctctttt tcatccaggc cgcgggtggg gagcagaaga c                   41
194 <210> SEQ ID NO: 8
195 <211> LENGTH: 39
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial
198 <220> FEATURE:
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RAW SEQUENCE LISTING
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Input Set : **N:\Crf4\03182003\I961201.raw**
Output Set: **N:\CRF4\04012003\I961201A.raw**

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199 <223> OTHER INFORMATION: PCR primer
200 <400> SEQUENCE: 8
201      gtctttctgc tccccacccg cggcctggat gaaaaaagc                         39
203 <210> SEQ ID NO: 9
204 <211> LENGTH: 66
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial
207 <220> FEATURE:
208 <223> OTHER INFORMATION: 3' PCR primer
209 <400> SEQUENCE: 9
210      tgctctagat tacttgtcat cgtcgtcctt gtagtctgat gttttaaagt taagtttttt   60
211      ccggag                                                             66
213 <210> SEQ ID NO: 10
214 <211> LENGTH: 5
215 <212> TYPE: PRT
216 <213> ORGANISM: Homo sapiens
217 <400> SEQUENCE: 10
218      Gln Ala Cys Arg Gly
219      1               5
221 <210> SEQ ID NO: 11
222 <211> LENGTH: 5
223 <212> TYPE: PRT
224 <213> ORGANISM: Homo sapiens
225 <400> SEQUENCE: 11
226      Gln Ala Cys Gly Gly
227      1               5
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 04/01/2003
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Output Set: **N:\CRF4\04012003\I961201A.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 1357,1481

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:5,6,7,8,9

VERIFICATION SUMMARY   DATE: 04/01/2003
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Input Set : **N:\Crf4\03182003\I961201.raw**
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L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1320
M:341 Repeated in SeqNo=2